

## Abstract

### Radio device with energy extraction device

The invention relates to a radio device (5) for transmitting radio signals (FSE) comprising an electrical interface (SS) having at least one data terminal (E5A) for connecting the radio device (5) to an external data source, and comprising a transmitting device (10) which is in communication with the at least one data terminal (E5A) and which generates the radio signals (FSE) with data signals (DSE) of the external data source, transmitted via the at least one data terminal (E5A).

To achieve a situation whereby such a radio device can also be operated without separate power supply, it is provided according to the invention that the radio device (5) exhibits an energy extraction device (15), the input of which is connected to the at least one data terminal (E5A) and the output of which is connected to a power supply input (E10B) of the transmitting device (10) and which takes energy from the data signals (DSE) of the external data source and feeds this energy at the power supply input (E10B) into the transmitting device in order to operate it.

FIGURE 1

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